

20021014.qrp v02\_n709.qrl.20021014

Date: Mon, 14 Oct 2002 19:03:12 EDT  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 2709

QRP-L Digest 2709

Topics covered in this issue include:

- 1) [137998] Re: Universal Whip Ant  
by "Francis Callahan" <colcal@srv.net>
- 2) [137999] Grundig RX-any one?  
by "Dave Richards" <wr3i@earthlink.net>
- 3) [138000] RDQ: AN/URM-25D Signal Generator Output  
by Jeff Furman <jfurman@ocs.net>
- 4) [138001] QRP meetings  
by wa0goz@arrl.net
- 5) [138002] Four State QRP Group Meeting Report  
by "David Bixler" <qrp@netins.net>
- 6) [138003] RE: Powder Coat Your Enclosures  
by W2SH@aol.com
- 7) [138004] NorCal Doublet Question  
by "Mike Duke, K5XU" <k5xu@netdoor.com>
- 8) [138005] Winter FOX Hunt Sked  
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 9) [138006] QHB Extra pages updated for issue #8  
by "George Heron N2APB" <n2apb@erols.com>
- 10) [138007] High Y'all again...  
by hamjoel@juno.com
- 11) [138008] FCC and MP+ Report  
by "w8diz" <w8diz@fpqrp.com>
- 12) [138009] RE: Powder Coat Your Enclosures  
by "E. Roswell" <eroswell@monmouth.com>
- 13) [138010] Results Fall SOC Marathon Sprint  
by Bob Patten <n4bp@netzero.net>
- 14) [138011] Rule of Thumb on antenna's  
by "Karl F. Larsen" <k5di@zianet.com>
- 15) [138012] RE: Satellit 800 and...  
by Kenneth Hoglund <hoglund@wfu.edu>
- 16) [138013] SMK-1 w/ case (unbuilt)+ \$ for NE'r?  
by <faithd@tds.net>
- 17) [138014] FunXpedition to VISIT FRANKENSTEIN  
by Tom Hammond =?iso-8859-1?Q?N=D8SS?= <n0ss@earthlink.net>
- 18) [138015] Re: Grundig RX-any one?  
by Lew Paceley <lew@paceley.com>
- 19) [138016] Re: Grundig RX-any one?

- by "Rod N0RC" <rod@n0rc.us>
- 20) [138017] Wiring guide for EV 619TR  
by "Gene Sailsbury" <gsailsbury@mobil1.net>
- 21) [138018] OT: Our VK and VE Friends  
by <ac7a@gci-net.com>
- 22) [138019] RE: Powder Coat Your Enclosures  
by David Hinerman <WD8CIV@worldnet.att.net>
- 23) [138020] Re: Powder Coat Your Enclosures  
by "Rex Harper" <w1rex@megalink.net>
- 24) [138021] Re: RDQ: AN/URM-25D Signal Generator Output  
by "William Phinizy" <k6whp@verizon.net>
- 25) [138022] VSWR/Watt Meter Circuit  
by "William Phinizy" <k6whp@verizon.net>
- 26) [138023] Re: QRP meetings (LPQS)  
by "William Phinizy" <k6whp@verizon.net>
- 27) [138024] Re: Half-Wave Tuning Measurements  
by Dave Hottell <hottell@gulftel.com>
- 28) [138025] Re: QRP meetings (LPQS)  
by "William Phinizy" <k6whp@verizon.net>
- 29) [138026] Re: VSWR/Watt Meter Circuit  
by Ingo Meyer DK3RED <dk3red@gmx.net>
- 30) [138027] Someone on the list has a virus!  
by "Mike Yetsko" <myetsko@insydesw.com>
- 31) [138028] Miracle Whip  
by "Hartwell, Martin E, ALINF" <mehartwell@att.com>
- 32) [138029] Re: Rule of Thumb on antenna's  
by J.Bennett@lboro.ac.uk
- 33) [138030] OT Re: Someone on the list has a virus!  
by "Rod N0RC" <rod@n0rc.us>
- 34) [138031] OT; Grundig .....  
by "k8cv" <k8cv@netzero.net>
- 35) [138032] Re: [OT; Grundig .....]  
by <mgoins@usa.net>
- 36) [138033] Re: Rule of Thumb on antenna's  
by "Karl F. Larsen" <k5di@zianet.com>
- 37) [138034] Re: Half-Wave Tuning Measurements  
by "Karl F. Larsen" <k5di@zianet.com>
- 38) [138035] looking test gear  
by "Vegas" <AF2Q@earthlink.net>

---

Date: Sun, 13 Oct 2002 17:38:17 -0600  
From: "Francis Callahan" <colcal@srv.net>  
To: <jamesd1@flash.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [137998] Re: Universal Whip Ant  
Message-ID: <000f01c27311\$9c7d70a0\$7dcc1341@callahan>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Thanks for the info on the universal antenna guess I will stay away from that one 72 Cal KF7ET

----- Original Message -----

From: "James R. Duffey" <jamesd1@flash.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Sunday, October 13, 2002 3:34 PM  
Subject: Re: Universal Whip Ant

> Cal - On March 21, I sent the following to the list. It is still valid.  
>  
> The HF- Pack group has the results of an antenna shoot out.  
>  
> On 20 M the Miracle Whip was 10 dB down from a reference quarter wave  
> vertical.  
>  
> What does this mean?  
>  
> If you put 0.5 watts into the reference vertical antenna you will need to  
> put 5 watts into the Miracle Whip to get an equivalent signal.  
>  
> For strong "S9" signals, you probably won't notice much difference. On the  
> Miracle Whip they will be S5 to S7.  
>  
> A CW signal becomes good, solid copy at 10 dB above the noise. Call it an  
S2  
> or S3. With the Miracle Whip such a signal will be at the noise level.  
>  
> Most good CW ops can copy CW with the signals at or a dB or 2 below the  
> noise. These won't be copiable with the Miracle Whip.  
>  
> I hope that this helps people judge the effectiveness of the Miracle  
Whip. -  
> Dr. Megacycle KK6MC/5  
>  
> --  
> --  
> James R. Duffey KK6MC/5  
> Cedar Crest, NM DM65  
>  
> --  
> James R. Duffey KK6MC/5  
> Cedar Crest, NM DM65

>

-----  
Date: Sun, 13 Oct 2002 19:51:43 -0400  
From: "Dave Richards" <wr3i@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [137999] Grundig RX-any one?  
Message-ID: <FAEEKPCBNNDNKGMPiBKMEAACIAA.wr3i@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Folks,

Just got a flier from Radio Shack about the Grundig Satellit 800 rx looks really nice and sound as if it might make a good bedroom SW RX any one tried it?

Dave  
WR3I

-----  
Date: Sun, 13 Oct 2002 17:25:55 -0700 (PDT)  
From: Jeff Furman <jfurman@ocs.net>  
To: William Phinizy <k6whp@verizon.net>, qrp-l@lehigh.edu  
Cc: jfurman@ocs.net  
Subject: [138000] RDQ: AN/URM-25D Signal Generator Output  
Message-ID: <Pine.LNX.4.21.0210131714430.2521-100000@ocs.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Bill, don't forget that the usual signal generator's output is specified when it's driving its correct load impedance. I will guess you need a 50 ohm resistive load, and the meter and attenuator markings are for the RMS voltage across this load. The output attenuator calibration depends on this external load, too.

73, Jeff AD6MX

-----  
Date: Sun, 13 Oct 2002 19:42:24 -0500

From: wa0goz@arrl.net  
To: qrp-1@lehigh.edu  
Subject: [138001] QRP meetings  
Message-ID: <3DAA12F0.7507@arrl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Perhaps someone in the group would be kind enough to list the QRP meetings and when and where they are held. I know a lot are in conjunction with hamfests.

I am planning a winter vacation to southern parts and it would be helpful to know what QRP events are what week-ends, and where they are held. If they are already listed somewhere a URL would be nice.

Thanks and 72

Henry WA0GOZ

-----  
Date: Sun, 13 Oct 2002 19:54:19 -0500  
From: "David Bixler" <qrp@netins.net>  
To: "'Low Power Amateur Radio Discussion'" <qrp-1@lehigh.edu>  
Subject: [138002] Four State QRP Group Meeting Report  
Message-ID: <000001c2731c\$44684d80\$200520cf@XPComputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi Gang:

The photo report of the Four State QRP Group's October meeting is on the web at:

<http://w0ch.com/fsqrp/oct02/oct02.htm>

We had a fun get-together with a great lunch with several homebrew projects there for show and tell.

72, Dave

David Bixler                  W0CH  
Seneca, Missouri  
QRP Web Site:                <http://w0ch.com>  
Four State QRP Group:       <http://w0ch.com/fsqrp>

QRP: Little Radios, Big Fun!

-----  
Date: Sun, 13 Oct 2002 21:46:10 EDT  
From: W2SH@aol.com  
To: qrp-l@lehigh.edu  
Cc: k7qo@earthlink.net, digi2@earthlink.net  
Subject: [138003] RE: Powder Coat Your Enclosures  
Message-ID: <195.eeb2549.2adb7be2@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

For those who might be interested in what may be a higher quality kit, have a look at [www.eastwoodcompany.com](http://www.eastwoodcompany.com).

For the hobbyist, their kits are \$129.99 and \$149.99. Additionally, one would need, besides 120Vac, a 7-10 cfm air source and a curing facility such as an electric oven (I don't know why a gas oven isn't listed as being acceptable).

Their catalog shows a slew of paint colors in all tints plus hammertones, wrinkles, fluorescents, etc. ranging from \$7.99 to \$11.99 for a half pound, plus various hot coat powder painting accessories.

Usual disclaimers, etc., etc.

Charles, W2SH

P.S. For Manhattan-style building enthusiasts, they also sell the USA-made Roper Witney hand punch used to make small discs from printed circuit board for \$59.99.

-----  
Date: Sun, 13 Oct 2002 20:56:53 -0500  
From: "Mike Duke, K5XU" <k5xu@netdoor.com>  
To: "qrp list" <qrp-l@lehigh.edu>  
Subject: [138004] NorCal Doublet Question  
Message-ID: <00c101c27325\$477920e0\$7dd294d0@k5xu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Having just moved into a house, I threw this little antenna together using 50 feet of cheap twin lead. The idea was, of course, to get back on the air simply and quickly until the tower can be raised.

While it receives wonderfully elevated to only 15 feet in the back yard, It will not tune with either of two tuners.

Is my problem the lack of height, or the \$5.00 roll of TV wire?

Mike Duke, K5XU  
American Council of Blind Radio Amateurs

-----  
Date: Sun, 13 Oct 2002 21:33:22 -0500  
From: "Doc K0EVZ" <dock0evz@earthlink.net>  
To: "qrp-l reflector" <qrp-l@lehigh.edu>  
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>,  
"Bruce Rattray " <rattray@gpfn.sk.ca>,  
Subject: [138005] Winter FOX Hunt Sked  
Message-ID: <412002101142332254@earthlink.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Gang:

Here is the sked and roster for the upcoming Winter FOX Hunt 2002-2003. It all promises to be a fun time on 40 Metres. So....get those antennas and rigs tweaked up in time for the first hunt the last Thursday evening of October, USA-time.

10/31 N3BJ and N0UR  
11/07 WD7Z and N7CQR  
11/14 W0UFO and K4FB  
11/21 N1FN and KV2X  
11/28 K5DI and VE4WI  
12/05 AC7A and N4DD  
12/12 WD7Z and W8RU  
12/19 K3ESE and K0FRP  
=====BYE=====

01/02	N0TK and KV2X
01/09	K9DC and N3BJ
01/16	N7CQR and N0UR
01/23	AC7A and N2WW

01/30 W0UFO and N0TK  
02/06 NK6A and K0PC  
02/13 K3ESE and N2WW  
02/20 K4FB and VE4WI  
02/27 K5DI and W8RU  
03/06 N4DD and K0PC  
03/13 K9DC and K0FRP  
03/20 NK6A and N1FN

Alternates:

W0MC Jerry CO  
KB9YIC Tony IN  
KR0U Tim CO  
N0IT Dave MO  
KD5KXF Mike TX  
K7TQ Randy ID  
VA3JFF Jeff ON  
K0EVZ Doc ND  
N7XY Bob WA

Thanks to all who applied to be active FOXes this time. Wish slots could have been found for everyone, but maybe in future hunts [g]. Please apply again.

GL to everyone for a great season. Perhaps someone will break 150...or 160...or????!!!

73,

--Doc/K0EVZ for the FOX Committee:  
Bruce/VE5RC  
ET/N1FN  
Tom/N1TP

-----  
Date: Sun, 13 Oct 2002 23:09:17 -0400  
From: "George Heron N2APB" <n2apb@erols.com>  
To: "QRP-L" <qrp-l@lehigh.edu>, "NoVAQRP" <NoVaQRP@topica.com>,  
"NJQRP" <njqrp@njqrp.org>,  
Subject: [138006] QHB Extra pages updated for issue #8  
Message-ID: <00de01c2732f\$18634010\$14c13ad0@GHLTP4>  
MIME-Version: 1.0  
Content-Type: text/plain;



charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

The QHB Extra web pages are now updated to show all the colorful and full-res images that comprise issue #8 of QRP Homebrewer. You can get to the index page by pointing your browser at <http://www.njqrp.org/qhbextra/8/8.html>

I must say these images are absolutely stunning. We get so used to viewing the schematics, photos and line graphics in our QRP magazines in B&W and at resolutions that sometimes tax the eyes ... well the QHB Extra online web pages do a splendid job at reproducing all the images from the issues of QRP Homebrewer in their full original color and resolution.

You really need to see some of the photos and artwork from this last QHB. The Manhattan style work of Mike KB3HMR (SOP Receiver) and Jerry W0PWE (SST) are breathtaking, including the full-scale layout diagrams for each. The step-by-step photo guide that Chas W1CG presented in his Low Power Balun article is superb. The Serial CW Sender project has even more photos than in his QHB article or the kit manual, including the color template used for the enclosure faceplate. And James Bennett's PAC-12 Antenna article ... need we say more?!

Please remember to drop a note to the author if you enjoy his material. That kind of feedback means so much to them and it encourages further contributions for all of us.

73, George N2APB [n2apb@amsat.org](mailto:n2apb@amsat.org)  
Editor & publisher, QRP Homebrewer magazine  
[http://www.njqrp.org/data/qrp\\_homebrewer.html](http://www.njqrp.org/data/qrp_homebrewer.html)

-----  
Date: Mon, 14 Oct 2002 00:23:24 -0400  
From: [hamjoel@juno.com](mailto:hamjoel@juno.com)  
To: [fpqrp-1@mpna.com](mailto:fpqrp-1@mpna.com), [qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)  
Subject: [138007] High Y'all again...  
Message-ID: <20021014.002507.-284517.0.hamjoel@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

high y'all, it's me again , peaux displaced cajun lad joel up in maine...  
read through some rumblings in the postings... sounds like a summer  
t-storm passing by.  
an't no sense in fussin bout it... seems the meaux u geaux and raise ur  
fist at the rain all u done is

got u self wetter and the lightnin to strike closer...

Sides the planet needs the sun, lightnin, rain to greaux right.. and a good rainy day, nite be good for building sumthin, expanding the shack ... sometimes de family....

U kneaux ah hunted that fox a bit... got a few and found signals to the ne gots hard times most of the time... so ah swithced to sumthin else away from all dat noise...still iffin u bees in the right part of the country.... thought I would devote them two hours to chasing real dx but u kneaux ah gots tired of dat too...

reminds me ... dat big pole ah been using for ma antenna holder uppper done speared the roof of the old car in the yard...no bodies was in it at the time and we don't drives it anymeaux so we just referr to it as the antenna monument out back.... good for holding up antennas...

Well , u folk be nice to one and the utter, and whan u stops fussin at each and the utter u can get back to playing radio in some form or utter...

ke1la  
joel in maine  
greauxing ant poles

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Date: Mon, 14 Oct 2002 07:15:30 -0400  
From: "w8diz" <w8diz@fpqrp.com>  
To: "Kenneth Evans" <w4du@attbi.com>  
Cc: <multipigplus@yahoogroups.com>, <qrp-1@lehigh.edu>  
Subject: [138008] FCC and MP+ Report  
Message-ID: <003401c27373\$01ffa680\$b8cf1d41@cinci.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Ken, ...and other builders

The FCC build went great. Only thing I needed to change was one cap value to get the 10 MHz Xtal Freq to adjust to 10,000,000 Hz. I am starting the kitting this week. expect to start shipping this weekend.

<http://www.kitsandparts.com/fcc.html>

The FreqCounter/AGC/AUDIO/KEYER/QSK\_CONTROLLER will cost \$53 shipped to your door or \$50 if delivered locally.

Again, I will take PAYPAL at [kitsales@kitsandparts.com](mailto:kitsales@kitsandparts.com) or mail direct to me at

DIETER GENTZOW  
197 TIMBER TRAIL  
LOVELAND, OH 45140

PS: For those not familiar with the MP+ project, you can read the email notes at <http://groups.yahoo.com/group/multipigplus/>

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio  
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W  
FP#-1 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 HIqrp-400  
<http://kitsandparts.com>

----- Original Message -----

From: "Kenneth Evans" <[w4du@attbi.com](mailto:w4du@attbi.com)>  
Sent: Sunday, October 13, 2002 10:26 PM

OK - its' almost midnight. How did FCC PCB build go? My iron is getting ansy!!

72/3, Ken W4DU [w4du@arrl.net](mailto:w4du@arrl.net) QRP ARCI #696, GQRP, NOGA, FP #295, NORCAL, ARRL-Life

-----  
Date: Mon, 14 Oct 2002 08:17:45 -0400  
From: "E. Roswell" <[eroswell@monmouth.com](mailto:eroswell@monmouth.com)>  
To: [qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)  
Subject: [138009] RE: Powder Coat Your Enclosures  
Message-ID: <3DAAB5E9.EEC25896@monmouth.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Re gas ovens, the Harbor Freight manual (downloadable PDF) says the paint fumes can blow up, using the gas oven to cure it.

73, Ed, K2MGM..

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Date: Mon, 14 Oct 2002 08:36:59 -0400  
 From: Bob Patten <n4bp@netzero.net>  
 To: qrp-l@lehigh.edu, elecraft@mailman.qth.net, soc@mailman.qth.net  
 Subject: [138010] Results Fall SOC Marathon Sprint  
 Message-ID: <3DAABA6B.4010908@netzero.net>  
 MIME-Version: 1.0  
 Content-Type: text/plain; charset=us-ascii; format=flowed  
 Content-Transfer-Encoding: 7bit

As threatened, er promised, here are the results of the SOC Fall  
 Marathon Sprint. The next even will be held in March, 2003.

# 2002 FALL SOC MARATHON SPRINT RESULTS

CALL SCORE	SOC#	LOC	QSO's	PTS	S/P/C	PWR	HB PADDLE
----	-----	---	-----	---	-----	---	---
K7RE	53	SD	48		177	33	7
			40,887				
W0UFO	89	MN	35		134	25	7
			23,450				
K3ESE	530	MD	13		56	12	7
			4,704				
VE7ASK	534	BC	11		46	10	7
			3,220				
KG4FSN	480	FL	11		43	9	7
			2,709				
AE4EC	---	NC	7		32	7	
7	YES		2,352				
W2AGN	390	NJ	8		31	7	7
	YES		2,278.5				
VE3IAY	431	ON	18		81	15	1
	YES		1,822.5				
W4NJK	343	CA	5		16	4	7
			448				
AA7EQ	419	AZ	3		15	3	7
			315				
F5PBL	503	F	3		10	3	
7	YES		315				
VA7NT	15	BC	4		17	2	
7					238		

K4KSR	678	VA	1	5	1
7				35	

Brian, K7RE walked away with it - except the real winner in a SOC Sprint is Second Place, W0UFO! Interesting tie between F5PBL and AA7EQ. I figured Claude would want to be as near the end of the list as possible, although K4KSR beat him to last place with his single QSO!

Participation was again minimal. But on the plus (?) side, if there were any more logs to struggle through, I would have lost what's left of my mind!

We will do it again next spring...

— —

73, Bob Patten, N4BP Plantation, FL

E-Mail: [n4bp@netzero.net](mailto:n4bp@netzero.net) Website: <http://www.qsl.net/n4bp>  
 ORP ARCI #3412 SOC #1 ARS #799 Whiners #6 FISTS #7871

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Date: Mon, 14 Oct 2002 06:41:54 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: qrp-l@lehigh.edu  
Subject: [138011] Rule of Thumb on antenna's  
Message-ID: <Pine.LNX.4.44.0210140547150.1826-100000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

As a QRP operator your interested in a good antenna. We enjoy operating portable at sites away from our home and take differnet antenna's. Many of us live in areas where our neighbors are not thrilled by a big antenna.

So we usually own many antenna's and some work great, and others not so good. Here is my Rule of Thumb about antenna's: If it's less than 50% of a half wave long it will probably not work well. Before you jump all over me saying a 1/4 wave vertical works fine, let me remind you that a 1/4 wave vertical needs a serious ground plane to work at all well and it works like a full 1/2 wavelength when it's done right.

Here are some examples.

I have an 88 foot dipole fed by 450 ohm ribbon and this operates fine on 80 through 10 meters. This is my only antenna on 17 and 24 meters. The 1/4 wave Butternut vertical is my DX 40 meter antenna. For 20,15 and 10 I have a Highgain TH-6DXX 6 element beam at 60 feet. All three antenna are close to half wavelength. I have worked Europe on 40 meters QRP from New Mexico.

I built the W3FF man portable antenna which is about 16 feet long and is a dipole. It works just fine on 20 meters up to 10 meters. I wound coils to make it work on 40 meters and compared it to a 1/2 wave dipole. It was 15 DB lower than the dipole over many paths and days. But on 20 meters I used it for a full summers Fox Hunt and did very well from my front yard. On 20 meters this antenna is about 50% as long as a full 1/2 wave.

I use daily a Hamstick antenna which is very small compared to 1/4 wave on 40 meters but it does work well. It appears to be only 8-12 DB below a 1/2 wave dipole and I'm QRO.

The MP-1 antenna is popular because it's well made and small. In comparison tests the MP-1 does better than I expected on 20 meters since it's size compared to a 1/4 vertical is about 1/8 as long. Against a dipole at the same level the MP-1 was about 8-12 DB below it on several contacts on 20 meters. You can buy a 80 meter coil for the MP-1 and it will load up but it's too many DB below a dipole to be useful.

In summary, if it's easy to carry to a park bench, it will not work well below 20 meters. If it's much less than 50% as long as a dipole it will have too much loss. For verticals it's 50% as long as 1/4 wave AND with a GOOD groundplane.

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

-----  
Date: Mon, 14 Oct 2002 08:55:13 -0400  
From: Kenneth Hoglund <hoglund@wfu.edu>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [138012] RE: Satellit 800 and...  
Message-ID: <3DAABEB1.BD4751FA@wfu.edu>  
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I have heard the Satellit 800, and I have heard other fine receivers, but at the moment have neither. But a good friend and dedicated swl has a Sony portable and a Satellit 800, so I asked him for some general impressions. Here's what he sent to me:

"I stood my SONY ICF SW77 beside the Satellit 800, both on AC and with only a whip antenna. It seemed that my Sony was consistently better at pulling in signals more clearly. However, the back side of the Satellit has a much more sophisticated setup for connecting with various antennas. Additional antennas for the Sony would be more primitive.

I am led to believe that there are adjustments on the Satellit that I may have overlooked when I was doing my comparisons.

The Satellit is 14 lbs and huge. The Sony is 4 lbs and compact. The fact that the performance is even comparable makes me wonder if Grundig's primary objective wasn't image. They kept the weight down too 14 lbs by using plastic in their chassis, which doesn't give me a feel of sturdiness.

The sound from the Sony doesn't come close to the sound from the Satellit."

He went on to say that if he had the space for a more or less permanent installation, he would go with the Satellit. But he lives in a small house, and enjoys moving about with his Sony. He also mentioned that he has never found a review of the Satellit comparing it to any other receiver, just reporting on its use and saying 'Good receiver.'

YMMV

73  
Ken KG4FGC

-----  
Date: Mon, 14 Oct 2002 7:59:05 -0500  
From: <faithd@tds.net>  
To: qrp-1@lehigh.edu  
Cc: faithd@dnr.state.wi.us, faithd@tds.net  
Subject: [138013] SMK-1 w/ case (unbuilt)+ \$ for NE'r?  
Message-ID: <200210141259.g9ECx5rL019604@im2.sec.tds.net>

MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

I'm interested in an unbuilt Northeaster, and would be willing to trade a SMK-1 w/ NJQRP Case (both unbuilt) and \$25(?) for one. I built an SMK-1 for someone else, and thus never got around to building mine. (Each would pay their own postage costs).

If you have an unbuilt Northeaster and would be interested in a trade, please let me know.

73 de N9WR, Don C. Faith III

-----  
Date: Mon, 14 Oct 2002 08:18:27 -0500  
From: Tom Hammond =?iso-8859-1?Q?N=D8SS?= <n0ss@earthlink.net>  
To: QRP-L@lehigh.edu  
Subject: [138014] FunXpedition to VISIT FRANKENSTEIN  
Message-ID: <4.3.2.7.2.20021014081815.00ad6110@localhost>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"; format=flowed  
Content-Transfer-Encoding: quoted-printable

#### HALLOWEEN FunXpedition to VISIT FRANKENSTEIN

The Mid-MO ARC (Jefferson City MO) and the Warrensburg (MO) ARC will hold a special event FunXpedition to Frankenstein MO over All Saint's Day/Halloween. We should be active between 2100Z on October 31, 2002 thru about 1500Z on Nov 1, 2002. We'll be using the callsign W=D80 (as in "Woooooooooooo!") and will be operating a number of stations simultaneously from locations in, or near, Frankenstein Missouri.

CW operation on or near QRP frequencies will be  
AT QRP LEVELS  
and will be using an Elecraft K2!

We look forward to working a LOT of QRPers.  
Mid-MO ARC Operating Frequencies (MHz)

CW	Freq
80M	3.545
40M	7.045
30M	10.125



20M	14.045
15M	21.045
10M	28.045

SSB	Freq
80M	3.963
40M	7.245
20M	14.330
15M	21.345
10M	28.345

Warrensburg AARC Operating Frequencies (MHz)

CW	Freq
80M	3.700
40M	7.125
30M	10.100 (probably 10.105)
20M	14.030
15M	21.150
10M	28.200

SSB	Freq
80M	3.943
40M	7.233
20M	14.312
15M	21.378
10M	28.378

WAARCI stations will, at times, listen and call on 29.500 FM.

NOTE: ALL Frequencies will be +/-5kHz, and subject to movement further from that posted, due to QRM/availability.

We will also probably be active on 6M/2M (FM/SSB) & 440 (FM for sure).

Send QSL requests to:

Tom Hammond     N=D8SS  
5417 Scruggs Stn Rd  
Lohman MO 65053=20

-----

Date: Mon, 14 Oct 2002 08:54:23 -0500  
From: Lew Paceley <lew@paceley.com>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Cc: wr3i@earthlink.net

Subject: [138015] Re: Grundig RX-any one?  
Message-ID: <003c01c27389\$34244060\$6501a8c0@swbell.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=Windows-1252  
Content-transfer-encoding: 7BIT

Hi Dave,  
I saw some reviews of the Grundig Satellit 800 on www.eham.net in the product reviews section. The reviews were somewhat inconsistent so I suggest that you read them and judge for yourself. I have only played with the Grundig in Fry's and it's a big chunk of plastic with rack mount handles...not my vision of a state-of-the-art SWL rig but probably a little easier to operate with the big knobs. It would not fit on my nightstand. I've been looking at the Sony 7600GR but haven't had an opportunity to try one yet. GL es

72/73,  
\*Lew\*  
N5ZE

-----  
Date: Mon, 14 Oct 2002 08:08:43 -0600  
From: "Rod N0RC" <rod@n0rc.us>  
To: <lew@paceley.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [138016] Re: Grundig RX-any one?  
Message-ID: <001f01c2738b\$34ebeb40\$6401a8c0@greyrock>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Lew, et. al.

----- Original Message -----  
From: "Lew Paceley" <lew@paceley.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Monday, October 14, 2002 7:54 AM  
Subject: Re: Grundig RX-any one?

> Hi Dave,  
> I saw some reviews of the Grundig Satellit 800 on www.eham.net in the

Also check the reviews at: <http://www.rnw.nl/realradio/satellit800.html>

73, Rod N0RC

-----  
Date: Mon, 14 Oct 2002 09:09:44 -0500  
From: "Gene Sailsbury" <gsailsbury@mobil1.net>  
To: <qrp-l@lehigh.edu>  
Subject: [138017] Wiring guide for EV 619TR  
Message-ID: <001101c2738b\$594ecca0\$47c03fd8@8tracker>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I am need of the wiring pin out for the EV 619TR. Need to wire for my Ten  
Tec Scout. Thanks.  
Gene N0MQ

-----  
Date: Mon, 14 Oct 2002 07:23:59 -0700  
From: <ac7a@gci-net.com>  
To: qrp-l@lehigh.edu  
Subject: [138018] OT: Our VK and VE Friends  
Message-ID: <web-2393658@gci-net.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="ISO-8859-1"  
Content-Transfer-Encoding: 8bit

I am going to break from my usual rule of not posting OT  
subjects, but ask that you will perhaps indulge me this  
time.

When we experienced our darkest hour a little over a year  
ago, many of of our QRP-L friends from around the globe  
were there for us. As many of you know over 180 young  
people, primarily from Australia and Canada, were killed in  
Bali this past weekend (2 Americans died as well).

If you you are so inclined, please keep them, their  
families and their nations in your thoughts and prayers.  
They should know that we care about them as well.

Thomas - AC7A

-----  
Date: Mon, 14 Oct 2002 10:25:36 -0400  
From: David Hinerman <WD8CIV@worldnet.att.net>  
To: qrp-l@lehigh.edu  
Subject: [138019] RE: Powder Coat Your Enclosures  
Message-ID: <5.1.1.6.1.20021014102235.00a49ec0@ipostoffice.worldnet.att.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 09:46 PM 10/13/2002 -0400, you wrote:

>For those who might be interested in what may be a higher quality kit, have  
>a look at [www.eastwoodcompany.com](http://www.eastwoodcompany.com).

>

>For the hobbyist, their kits are \$129.99 and \$149.99. Additionally, one  
>would need, besides 120Vac, a 7-10 cfm air source and a curing facility such  
>as an electric oven (I don't know why a gas oven isn't listed as being  
>acceptable).

Powder plus an open flame can frequently lead to an explosion. I don't know  
if the powder coated onto an item can become airborne before it's cured,  
but if it can, having it drift around inside a gas oven with a pilot light  
or open flame could be a problem.

I'm guessing, but that's the first thing that comes to mind. If I'm wrong,  
somebody please correct me.

Dave

-----  
Electrical items never die, you see, I am merely unable to revive them with  
today's technology.

-----  
Dave Hinerman  
WD8CIV@worldnet.att.net

-----  
Date: Mon, 14 Oct 2002 10:59:30 -0400  
From: "Rex Harper" <w1rex@megalink.net>  
To: <QRP-L@lehigh.edu>  
Subject: [138020] Re: Powder Coat Your Enclosures  
Message-ID: <003601c27392\$4d20a640\$7201a8c0@maine.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

QRP Gangue,

Along the powder coating thread, Dave and others wondered about gas ovens and powder coating.

----- Original Message -----

From: "David Hinerman" <WD8CIV@worldnet.att.net>

> Powder plus an open flame can frequently lead to an explosion. I don't know  
> if the powder coated onto an item can become airborne before it's cured,  
> but if it can, having it drift around inside a gas oven with a pilot light  
> or open flame could be a problem.  
>  
> I'm guessing, but that's the first thing that comes to mind. If I'm wrong,  
> somebody please correct me.

Well in my previous life as the manager of R & D for a poker chip company, I investigated the powder coating process with the intent of coating millions of slot machine tokens. Powder coaters use electric roll in-roll out batch ovens or conveyors running thru infrared ovens. The powder used is actually finely ground plastic resin which is charged as it passes thru the spray gun and then attracted to a grounded target. The powder is then melted by the oven and bonded to the object and to itself to make a continuous coating when cooled. Melting the plastic powder outgasses vapors which are toxic and quite combustible. Same holds true when drying paint. What do you think would happen if you spray paint in a booth then turn on some gas burners in the booth to 'help' the paint dry faster. Commercial powder coaters also vent the oven and scrub or burn the gasses to comply with air emissions.

I have always wanted my own little powder coater for making beautifully finished cases. I have taken my stuff to a local shop that powder coats motorcycle frames and engines....I tell him I don't care about the color as long as its sharp and any time is fine. He usually puts it in the booth with the next cool motorcycle job when it comes thru. Usually only a few days....and always a pretty snazzy color. I have a big washtub for a washtub base that he did for 15 bux and its a really sharp metallic purple or blue (depends on the lighting). I also sandblasted a batch of Altoids tins and had him coat a few tins with white so I could prototype my earlier efforts at making Zomboids tins. He saw the tins and inquired. Seems he has about a two-tin-a-day habit and he started saving me his excess. Had more tins that I know what to do with. STILL DO!

I looked at the sites and I think I will purchase a mini coater and powder coat stuff myself. Fortunately, I have a couple of electric lab ovens

that I can power vent to do the curing cycle.

72,

W1REX      Rex Harper      "The Tinman"

-----  
Date: Mon, 14 Oct 2002 08:18:57 -0700  
From: "William Phinizy" <k6whp@verizon.net>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [138021] Re: RDQ: AN/URM-25D Signal Generator Output  
Message-ID: <00d101c27395\$0530f0d0\$1e64e043@k6whp>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

..my thanks to all who responded. It is a relief to know I wasn't so far off  
base on this one!

72,

Bill, k6whp

-----  
Date: Mon, 14 Oct 2002 08:34:29 -0700  
From: "William Phinizy" <k6whp@verizon.net>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [138022] VSWR/Watt Meter Circuit  
Message-ID: <000701c27397\$30cbe540\$1e64e043@k6whp>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Does anyone have a link to a watt/SWR circuit suitable for use inside of an  
antenna tuner? I am looking for a bridge circuit using 50-ohm resistances  
and 1N34A's that will drive a meter. My sincere thanks.

Bill, k6whp

-----  
Date: Mon, 14 Oct 2002 08:47:03 -0700  
From: "William Phinizy" <k6whp@verizon.net>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [138023] Re: QRP meetings (LPQS)  
Message-ID: <000f01c27398\$f1eb5430\$1e64e043@k6whp>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Henry,

If by "southern" you mean you might grace Southern California with your presence, then we would very very happy to have you and all hams attend a meeting of the Lake Perris QRP Society. We meet at the Cal Poly Swap Meet on the campus of Cal Poly Pomona every third Thursday of the month. We set up a QRP station and operate/chew the fat/scrounge for bargains from about 0700 to 1130. Thereafter we migrate to a local eatery and commence the lunch part of the meeting..

..all are welcome. Please contact me via e-mail or phone in advance JUST TO BE SURE.

William Phinizy, k6whp  
17044 Avenida Abuelitos  
Fountain Valley, CA 92708  
(714) 593-6400 (Voice+FAX)

-----  
Date: Mon, 14 Oct 2002 11:04:45 -0500  
From: Dave Hottell <hottell@gulftel.com>  
To: dpayton@fwi.com,  
      "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [138024] Re: Half-Wave Tuning Measurements  
Message-ID: <3.0.6.32.20021014110445.00919e90@pop.gulftel.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Denny,

The losses in any three element tuner can vary all over the place depending on the value of the components installed (as max/min limits) and the actual

values selected by turning the knobs. Some calculations are shown below. These were produced by the TLW program that accompanied the 19th edition of the Antenna Book.  $F=10.1\text{MHz}$ . The load in each case is a 5100 ohm purely resistive load. These losses apply only to this load at this freq. for the specified Q, etc.

First, for comparison, the losses for two element L networks, high pass and low pass:

HPL loss = 0.26dB   LPL loss = 0.26dB

For the three element tuners, the value of one of the three elements must be specified. For both the pi and Tee configurations this is the output or 'antenna' capacitor.

pi network:

C	Loss
35 pf	0.30 dB
50	0.43
100	0.84
500	3.24
1000	5.17

Tee network:

C	Loss
1 pf	3.56 dB
2	2.03
3	1.48
5	1.03
10	0.68
20	0.51
50	0.40
100	0.36

All of these results assume the tuner has high quality (meaning high Q) inductors and capacitors. Assumed values are inductor  $Q = 200$  and capacitor  $Q = 1000$ .

If we lower the Q of these components, the losses can increase dramatically. To be a bit extreme, we can lower the inductor Q to 50 and the capacitor Q to 300, then we get:

Hi Q loss for HPL and LPL = 0.26 dB (as above)

Lo Q loss for HPL and LPL = 1.02

pi network:

C	Loss
Hi Q 500 pf	3.24 dB (as above)



Lo Q 500 7.52

Tee network:

	C	Loss
Hi Q	1 pf	3.56 dB (as above)
Lo Q	1	10.29

And, if all this is not enough, there is at least one additional factor to consider: the stray capacitance. As this value is varied, the losses change by some additional amount. Since this is a fixed value for each tuner, it can be accounted for, if it can be determined.

So there are several factors that affect the loss of different types of tuners. The measurements you made are valid for the tuners you measured and for the settings to which they were adjusted. However, the pi and Tee type tuners can be quite low-loss provided there is (1) adequate adjustment range and (2) the user knows how to go about turning the knobs.

Some of the homebrew and commercial tuners (think MFJ low end for the commercial ones) are limited by having switched inductors. For a given load and frequency, once the inductor has been selected, the capacitor values must follow. This is why the roller inductor units are preferred; the optimum value of C and L can be chosen.

And, as George and others have mentioned, the low-end MFJ units have low Q inductors. I don't know how low they are. Maybe someone on the list has measured one?

Hope this helps,

73,  
Dave  
AB9CA

At 08:35 AM 10/11/02 -0500, you wrote:

>Recently, when putting together a self-contained 30-meter rig to take on a  
>trip, I didn't have room for a full-size tuner. Since I plan to use it  
>mostly with half-wave antennas anyways, I decided to try the simple parallel  
>tuned circuit from Joe Everhart's Rainbow Tuner. I'd never used it before so  
>took some measurements to determine its limitations and how it compares to  
>my Super Tee and Z-Match tuners. The results were a bit surprising.  
>  
<snip>

-----  
Date: Mon, 14 Oct 2002 09:29:32 -0700  
From: "William Phinizy" <k6whp@verizon.net>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [138025] Re: QRP meetings (LPQS)  
Message-ID: <001301c2739e\$e136fee0\$f560e043@k6whp>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Ian, K3IMW/6, caught me: It's the 3rd SATURDAY of each month not the 3rd THURSDAY. Kinda wondered why no-one but a bunch of college kids showed up last month.

Thanks,

Bill, k6whp

-----  
Date: Mon, 14 Oct 2002 19:24:30 +0200  
From: Ingo Meyer DK3RED <dk3red@gmx.net>  
To: qrp-l@lehigh.edu  
Subject: [138026] Re: VSWR/Watt Meter Circuit  
Message-ID: <5.1.1.6.1.20021014191013.009e27b0@pop.gmx.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello Bill,

>Does anyone have a link to a watt/SWR circuit suitable for use inside of an  
>antenna tuner? I am looking for a bridge circuit using 50-ohm resistances  
>and 1N34A's that will drive a meter. ...

Sure, many more than you and I can build in our lives! ;o)) Here are two of it.

"The Resistive SWR Bridge" by Ian G3R00 with artwork and introduction by  
Tony G4WI

<http://www.gqrp.com>  
-> Tech. Info  
-> The Resistive SWR Bridge

"Rainbow Tuner Lives Again" by Joe Everhart, N2CX and George Heron, N2APB  
(published in the QRP Homebrewer #7, New Jersey QRP Club

<http://www.njqrp.org/qhbextra/7/7n.html>

72/73 de Ingo, DK3RED Don't forget: the fun is the power!

dk3red@t-online.de <http://www.t-online.de/~dk3red>  
DL-QRP-AG #824 <http://www.dl-qrp-ag.de>  
QRP ARCI #11295 <http://www.qrparci.org>

-----  
Date: Mon, 14 Oct 2002 13:33:19 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [138027] Someone on the list has a virus!  
Message-ID: <006301c273a7\$cf0f1500\$0300a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Now, before the virus discussion starts again...

I KNOW that the person who it 'looks like' it's from is NOT the person that actually sent it, okay?

The email came DIRECT to me from someone. I grabbed the header and I may be able to trace it.

But (and the reason I'm posting it to the list here) is that the virus included text from a message on the forum. I've included the message below. If you legitimately received the message below in the past, then you MAY (I'm not saying anyone specifically is) be infected and the virus (ok, the worm!) used that message as it's cover.

Mike

By the way, this worm evidently has an envelope that makes it through the latest and greatest Norton AV program!

-----  
Thanks to one and all who sent me the dimensions of the Norcal and

Vibroplex

paddles base plates. There seems to be some variation from unit to unit, but, most are a little less than 3 inches (7.62 cm) wide.

-----  
Date: Mon, 14 Oct 2002 13:37:22 -0400  
From: "Hartwell, Martin E, ALINF" <mehartwell@att.com>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [138028] Miracle Whip  
Message-ID: <6579C6377F475547985F0B3E426E16260204DEA2@0CCLUST01EVS1.ugd.att.com>  
content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: quoted-printable

Hi

I am not sure what a Universal Radio Miracle Whip antenna is, but I =  
suspect it is the Miracle Whip antenna=20  
that is sold by Universal Radio in Columbus Ohio.=20  
I have the Ft817 and the Miracle Whip antenna, amongst others, and have =  
made contacts with it. As noted by others  
one should consider the station signal you want to respond to, if it is =  
weak I wouldn't attempt it. The output of=20  
the Miracle Whip will be down a lot compared to other types of =  
antennas, way down. I have contacted stations  
using 2.5 watts from my ft817 on ssb, the other station signal was load. =

I like having the antenna with me for vacations, it provides a nice swl =  
antenna, and if I were to need a transmitting  
antenna I could with 5 watts if I have external power. If I want to be =  
assured of a contact though I would use=20  
my Buddipole or even a random length of wire.

Marty Hartwell kd8bj  
mehartwell@att.com  
AT&T Columbus Ohio  
PH:614-501-2503

-----

Date: Mon, 14 Oct 2002 18:47:38 +0100 (BST)  
From: J.Bennett@lboro.ac.uk  
To: k5di@zianet.com, "Karl F. Larsen" <k5di@zianet.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [138029] Re: Rule of Thumb on antenna's  
Message-ID: <1034617658.3dab033aa48b5@staff-webmail.lboro.ac.uk>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 8bit

Quoting "Karl F. Larsen" <k5di@zianet.com>:

> 50% of a half wave long it will probably not work well. Before you jump  
> all over me saying a 1/4 wave vertical works fine, let me remind you  
> that a 1/4 wave vertical needs a serious ground plane to work at all  
> well and it works like a full 1/2 wavelength when it's done right.  
>

Hi Guys,

Absolutely spot on Karl!. I do a lot of caravanning and hence a lot of portable and mobile. I get to experiment a lot with antennas, and I confirm all that Karl has said. There are one or two exceptions to the "as much wire as possible, and as high as possible" theory. The first is on height, where if one wants to operate NVIS with a horizonatal, the optimum height is 0.2 wavelength. The second is with a magnetic loop antenna where both height and length rules don't apply.

Having said all that, ANY ANTENNA is better than none, where the hamstick is a classic example, so go for it guys.

72/73,

Jack  
G3PVG

-----  
Date: Mon, 14 Oct 2002 12:21:07 -0600  
From: "Rod N0RC" <rod@n0rc.us>  
To: <myetsko@insydesw.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [138030] OT Re: Someone on the list has a virus!  
Message-ID: <000501c273ae\$77d29b70\$6401a8c0@greyrock>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

SRI folks I'll keep it brief.

I got the same message and my NAV (2002 with latest updates) caught it.

OQRPp: I'm doing booth duty for ACE-HF ([www.acehf.com](http://www.acehf.com)) at Pacificon.  
Drop by and say hello.

73, Rod NØRC

----- Original Message -----

From: "Mike Yetsko" <[myetsko@insydesw.com](mailto:myetsko@insydesw.com)>  
To: "Low Power Amateur Radio Discussion" <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>  
Sent: Monday, October 14, 2002 11:33 AM  
Subject: Someone on the list has a virus!

...  
>  
> By the way, this worm evidently has an envelope that makes it through  
> the latest and greatest Norton AV program!  
...

-----  
Date: Mon, 14 Oct 2002 18:20:18 +0100  
From: "k8cv" <[k8cv@netzero.net](mailto:k8cv@netzero.net)>  
To: "Qrp-L Posts" <[qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)>  
Subject: [138031] OT; Grundig .....  
Message-ID: <002e01c273a5\$f88ec760\$b9a61342@waltamos>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

How about the YB-400PE from GRUNDIG ? It's small, for a night stand,  
sensitive, selective, does SSB ( poorly but it does it ) has 32 memories,  
nice sound, digital readout, good battery life and costs \$149.95 ( or \$150 )  
at Universal Radio, the short wave people. It comes with a free stand for  
that price, ac adapter, wind-up antenna and stereo ear plugs!

<http://www.universal-radio.com>

Try it, you'll like it .....

Walt Amos K8CV Royal Oak, MI.

-----  
Introducing NetZero Long Distance  
Unlimited Long Distance only \$29.95/ month!  
Sign Up Today! [www.netzerolongdistance.com](http://www.netzerolongdistance.com)  
-----

Date: Mon, 14 Oct 2002 13:48:31 -0500  
From: <mgoins@usa.net>  
To: <k8cv@netzero.net>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [138032] Re: [OT; Grundig .....]  
Message-ID: <200210141849.g9EInf9w023790@rain.CC.Lehigh.EDU>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: quoted-printable

I have one and really like it for the nightstand. Not the best, but certainly adequate for what I use it for here. Solid copy on world events, that sort of thing.

mike  
wb5yjx  
1 watt all the time

"k8cv" <k8cv@netzero.net> wrote:  
How about the YB-400PE from GRUNDIG ? It's small, for a night stand, sensitive, selective, does SSB ( poorly but it does it ) has 32 memories, nice sound, digital readout, good battery life and costs \$149.95 ( or \$150 ) at Universal Radio, the short wave people. It comes with a free stand for that price, ac adapter, wind-up antenna and stereo ear plugs!

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-----  
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-----  
Date: Mon, 14 Oct 2002 13:51:21 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: J.Bennett@lboro.ac.uk  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [138033] Re: Rule of Thumb on antenna's  
Message-ID: <Pine.LNX.4.44.0210141346440.2945-100000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Jack sure pleased that your experiance has been about like mine.  
Since I was asked, the ground plane under my 40 meter Hamstick is a  
welded aluminum camper shell on a Jeep Pickup. The bottom of the antenna  
is in a spring mount at the top of the camper. It takes a beating from  
low tree limbs, but works pretty good.

On Mon, 14 Oct 2002 J.Bennett@lboro.ac.uk wrote:

> Quoting "Karl F. Larsen" <k5di@zianet.com>:  
>  
>  
> > 50% of a half wave long it will probably not work well. Before you jump  
> > all over me saying a 1/4 wave vertical works fine, let me remind you  
> > that a 1/4 wave vertical needs a serious ground plane to work at all  
> > well and it works like a full 1/2 wavelength when it's done right.  
> >  
> Hi Guys,  
>  
> Absolutely spot on Karl!. I do a lot of caravanning and hence a lot of  
> portable and mobile. I get to experiment a lot with antennas, and I confirm  
> all that Karl has said. There are one or two exceptions to the " as much wire  
> as possible, and as high as possible" theory. The first is on height, where if  
> one wants to operate NVIS with a horizonatal, the optimim height is 0.2  
> wavelength. The second is with a magnetic loop antenna where both height and  
> lenth rules don't apply.  
>  
> Having said all that, ANY ANTENNA is better that none, where the hamstick is a



> classic example, so go for it guys.

>

> 72/73,

>

> Jack

> G3PVG

>

>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

-----  
Date: Mon, 14 Oct 2002 14:03:24 -0600 (MDT)

From: "Karl F. Larsen" <k5di@zianet.com>

To: Dave Hottell <hottell@gulftel.com>

Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [138034] Re: Half-Wave Tuning Measurements

Message-ID: <Pine.LNX.4.44.0210141358020.2945-100000@bucket.dog>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Dave, your loss figures are far larger than I got with a plain T tuner from MFJ. It's the MFJ-941 series with a tapped coil in a small case. I use the one measured in my mobile station.

You can see my measurements and read the results on my web page at:

[www.zianet.com/k5di/](http://www.zianet.com/k5di/)

and click on MFJ on the first page.

On Mon, 14 Oct 2002, Dave Hottell wrote:

> Denny,

>

> The losses in any three element tuner can vary all over the place depending  
> on the value of the components installed (as max/min limits) and the actual  
> values selected by turning the knobs. Some calculations are shown below.

>

> 73,

> Dave

> AB9CA

>

>

>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

-----  
Date: Mon, 14 Oct 2002 15:36:22 -0400  
From: "Vegas" <AF2Q@earthlink.net>  
To: <qrp-l@lehigh.edu>  
Subject: [138035] looking test gear  
Message-ID: <000f01c273b8\$fb5dcb40\$7584323f@bobs>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Gang,  
I'm doing a lot of coil windings and antenna work.  
I need a grid dip meter if any one has one that collecting dust ans wants to  
sell it.  
Thanks  
73  
Bob  
AF2Q

-----  
End of QRP-L Digest 2709

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